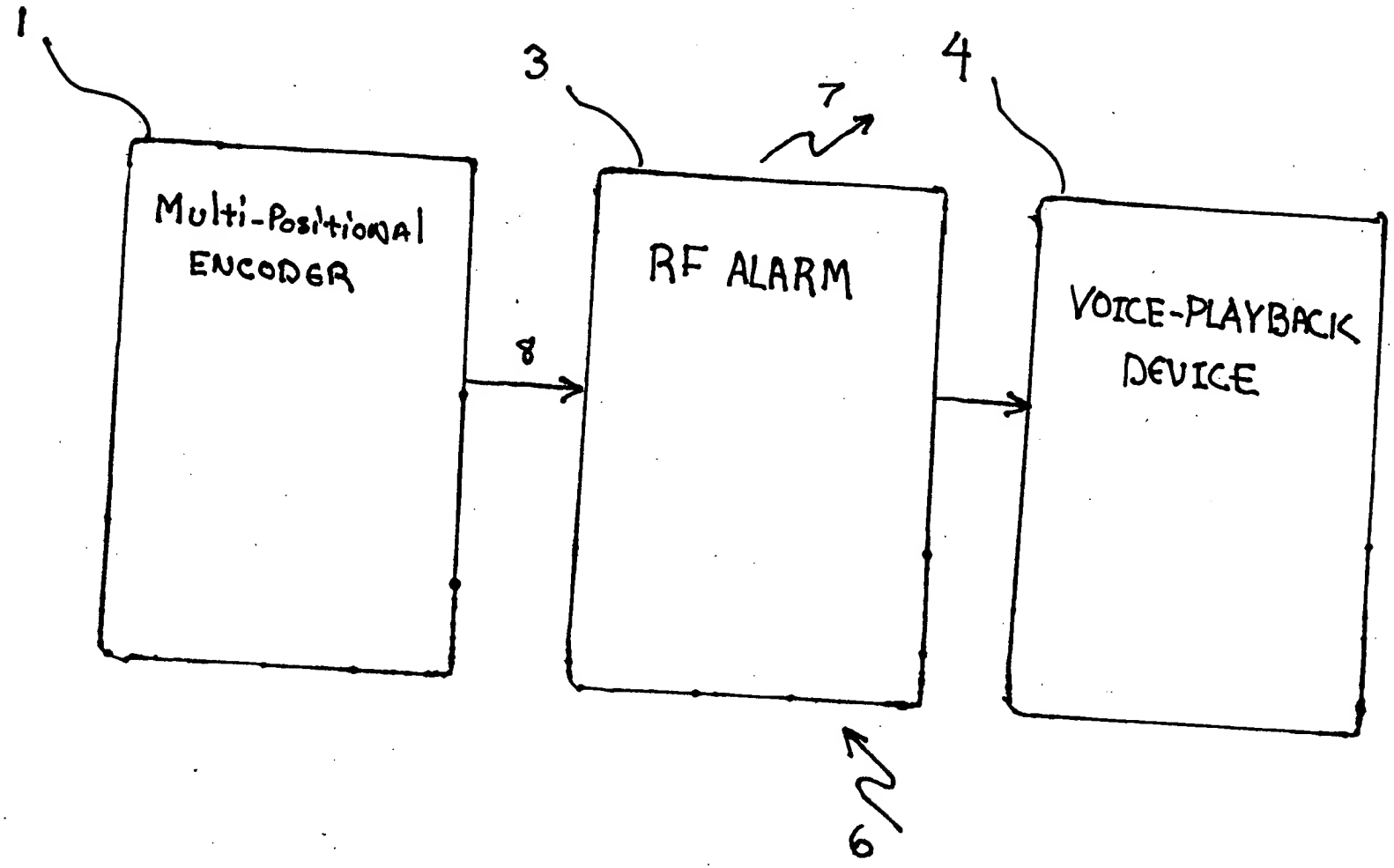

1
3
4
7
Multi-Positional
ENCODER
8
RF ALARM
VOICE-PLAYBACK
DEVICE
6

FIG 2

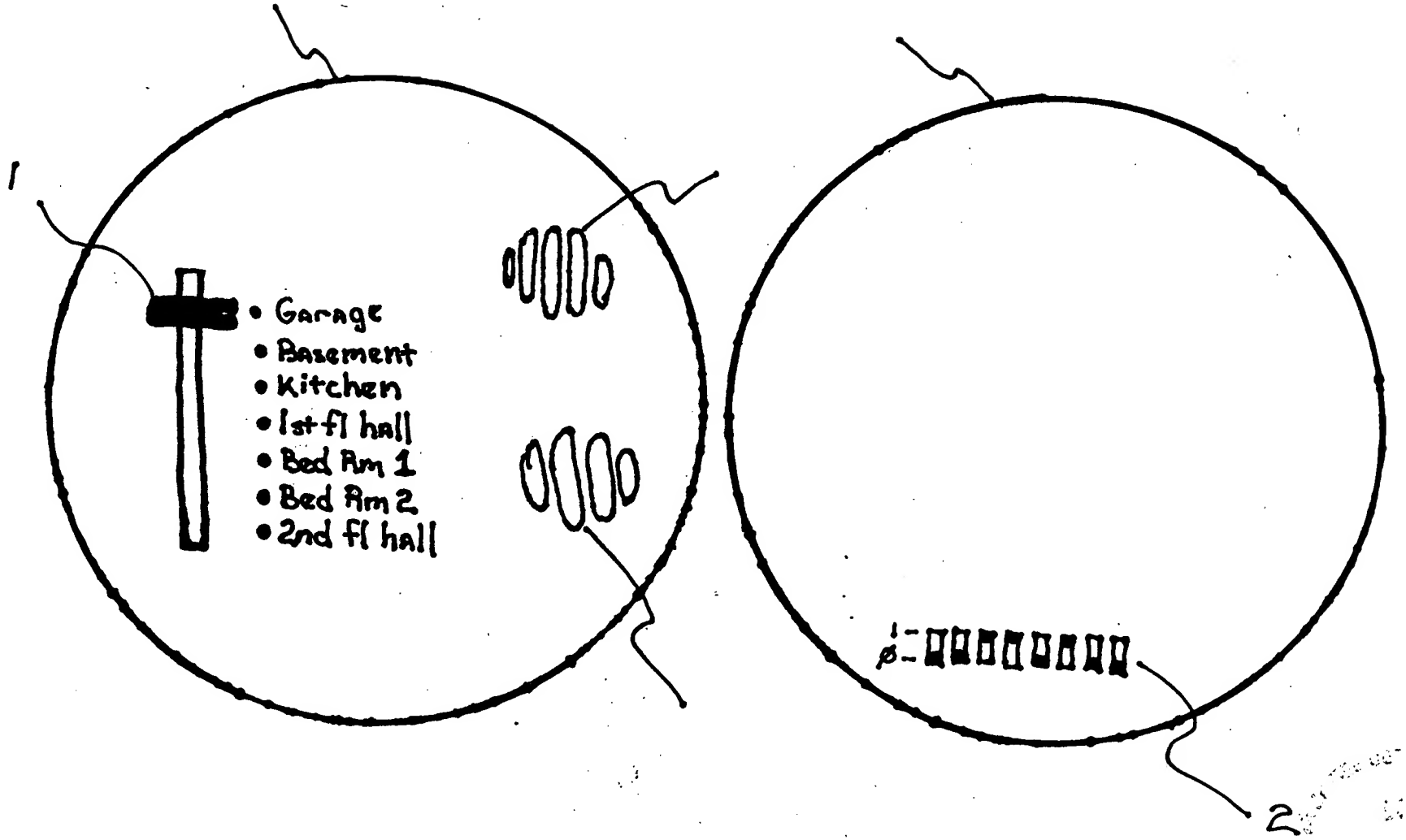
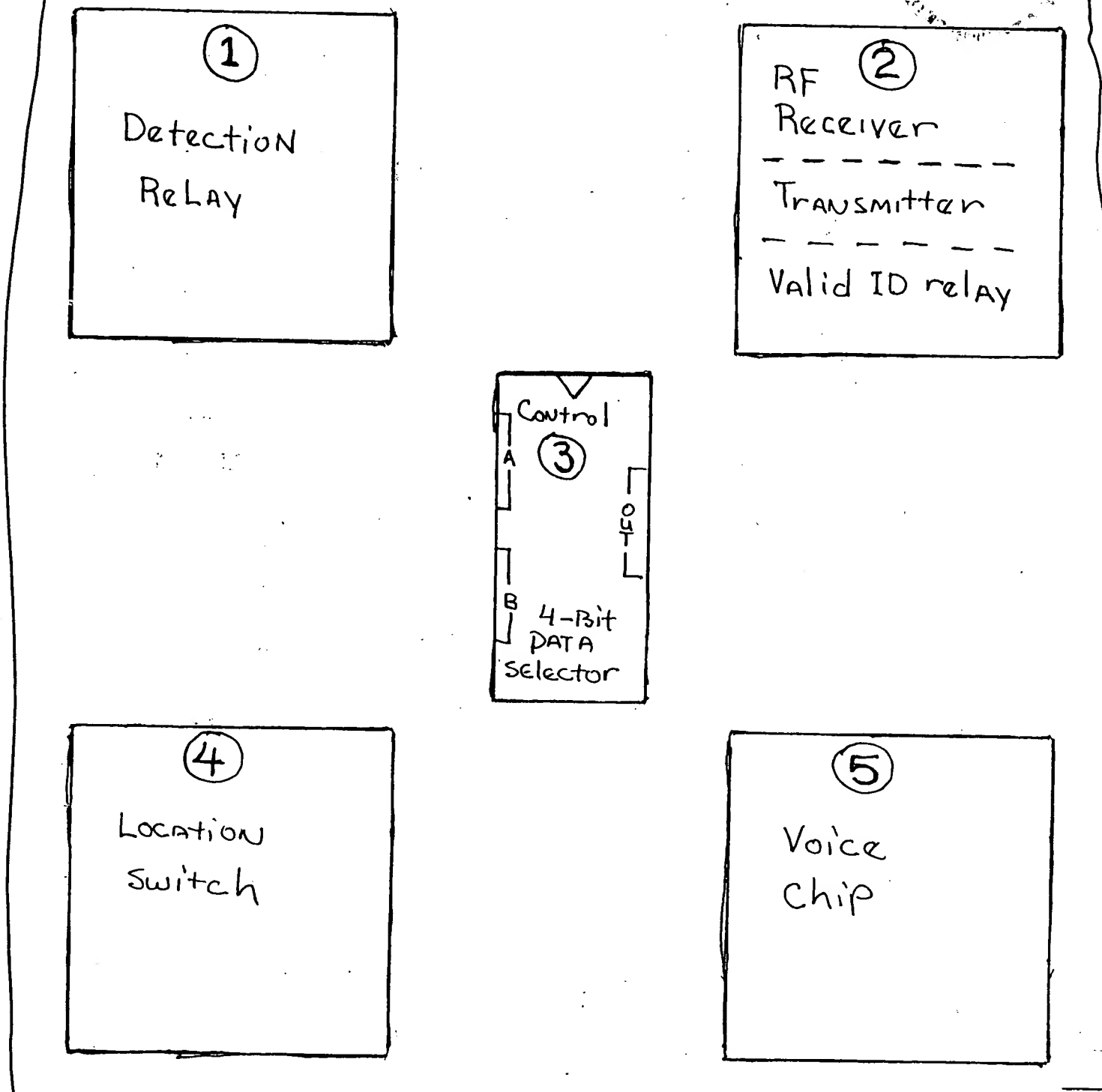

1
• Garage
• Basement
• Kitchen
• 1st fl hall
• Bed Rm 1
• Bed Rm 2
• 2nd fl hall
2

FIG 1

DROPPED

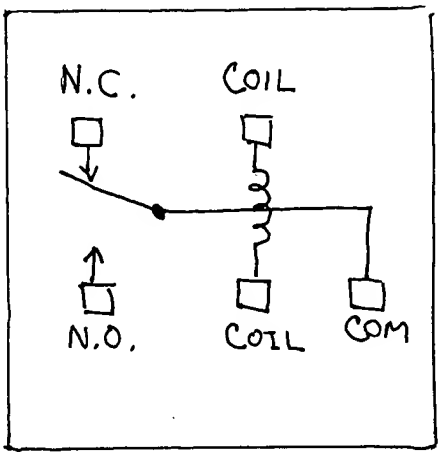
Diagram - 1: Major Components. (L.S.A,R)



Dropped

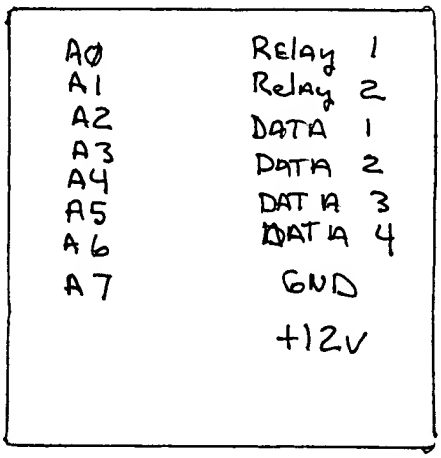
Major Componets (L.S, A, R)

① - Detection Relay



5VDC PC RELAY SPDT. Radio Shack Cat # 275-243
USED TO CONTROL 12VDC SUPPLY FOR
RF RECEIVER/TRANSMITTER.

② - RF Receiver/Transmitter

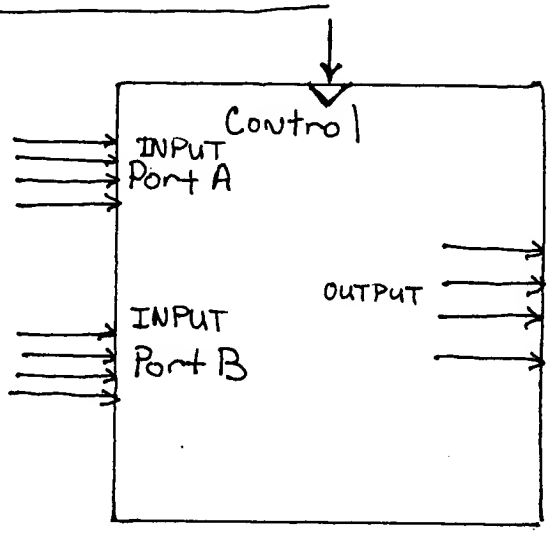


Ming / microsystems - 12-Bit Decoder Motherboard, RE-01
- RF RECEIVER BOARD, RE-99
- 12-Bit ENCODER motherboard, TX-01
- RF Transmitter Board, TX-99

Major Componets (L.S.A.R)

Dropped

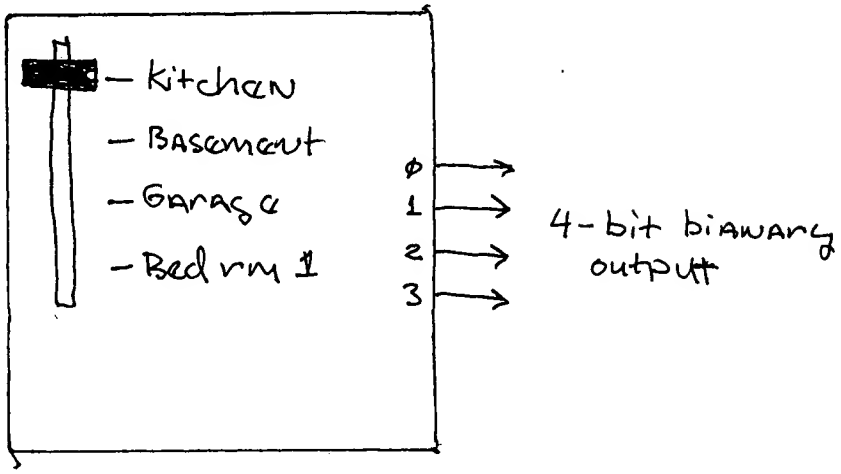
(3) - 4 Bit DATA Selector



Ø Volts on control line Input Port B connected to output.

5 Volts on Control line Input Port A connected to output.

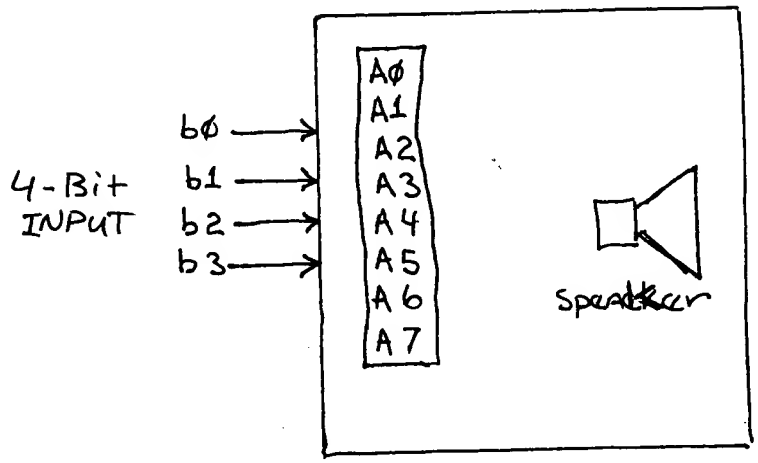
(4) - Location Switch



Positional switch outputs biawary Location code.

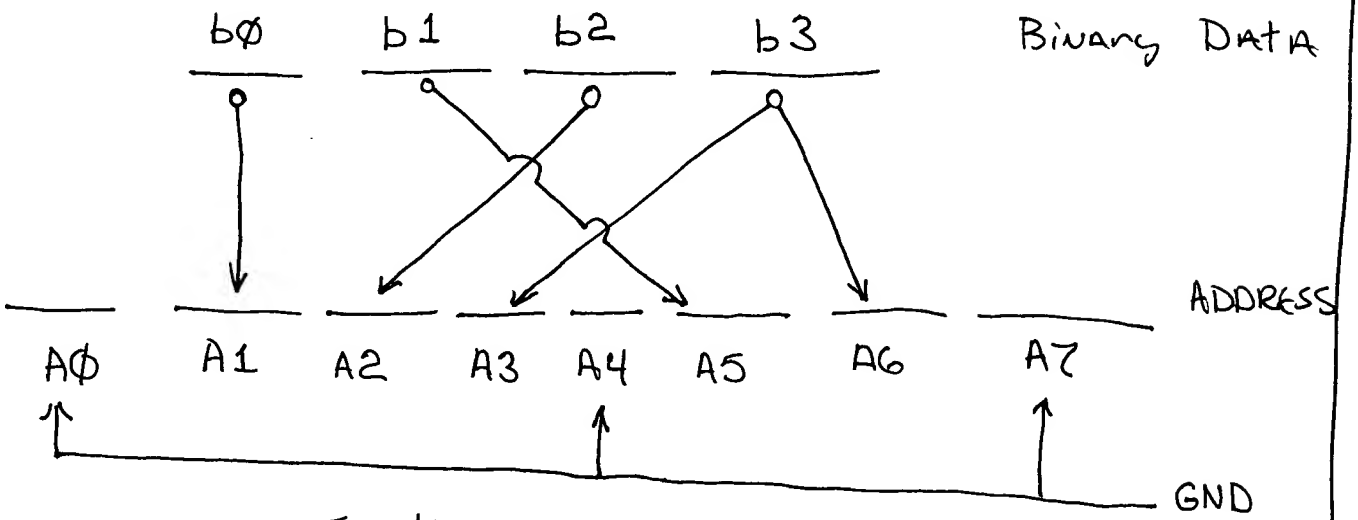
Major Componets (L.S.A.R)

(5) - Voice Chip (ChipCorder)



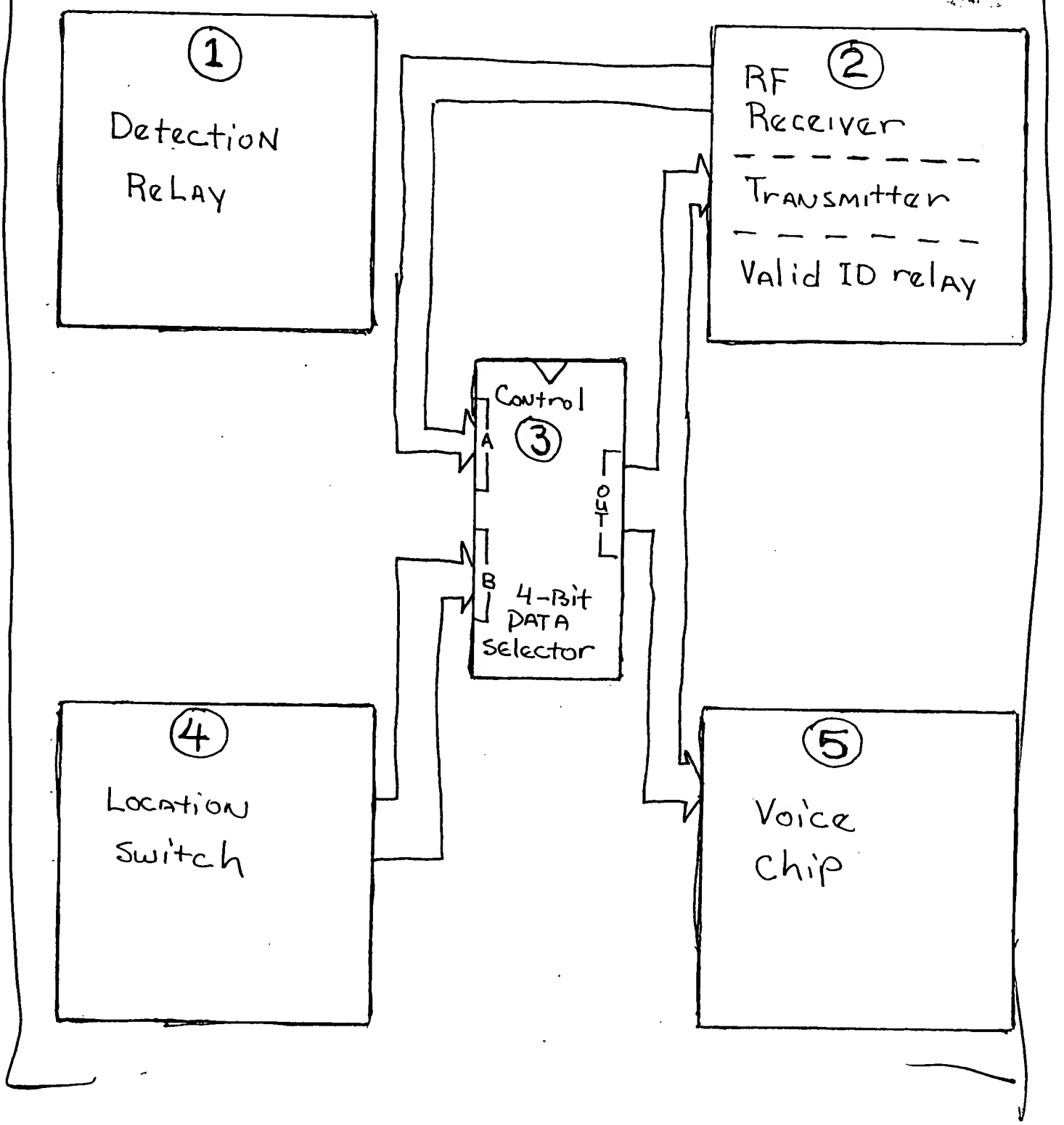
ISD - Information Storage Devices 1200/1400 Series

4-Bit Input Hard wired into 8-Bit Address as shown below.



Sending	Encoding	
$Ø_{10}$ →	$Ø_h$ →	ADDRESS MEMORY LOCATION - 1
3_{10} →	32_h →	" " " - 2
14_{10} →	64_h →	" " " - 3

Diagram - 2: DATA PATH (L.S.A.R)



DATA PATH (L.S,A,R)

Two modes of operation, mode 1: Detection Sensing device activation. (smoke/monoxide detector) trips the Detection Relay (1). DATA From the Location Switch (4) is routed thru DATA selector (3) (PORT B) To Output.

Ø volts ON DATA SELECTOR CONTROL, DATA Applied to Transmitter (2) and Voice chip (5).

mode 2: Relay

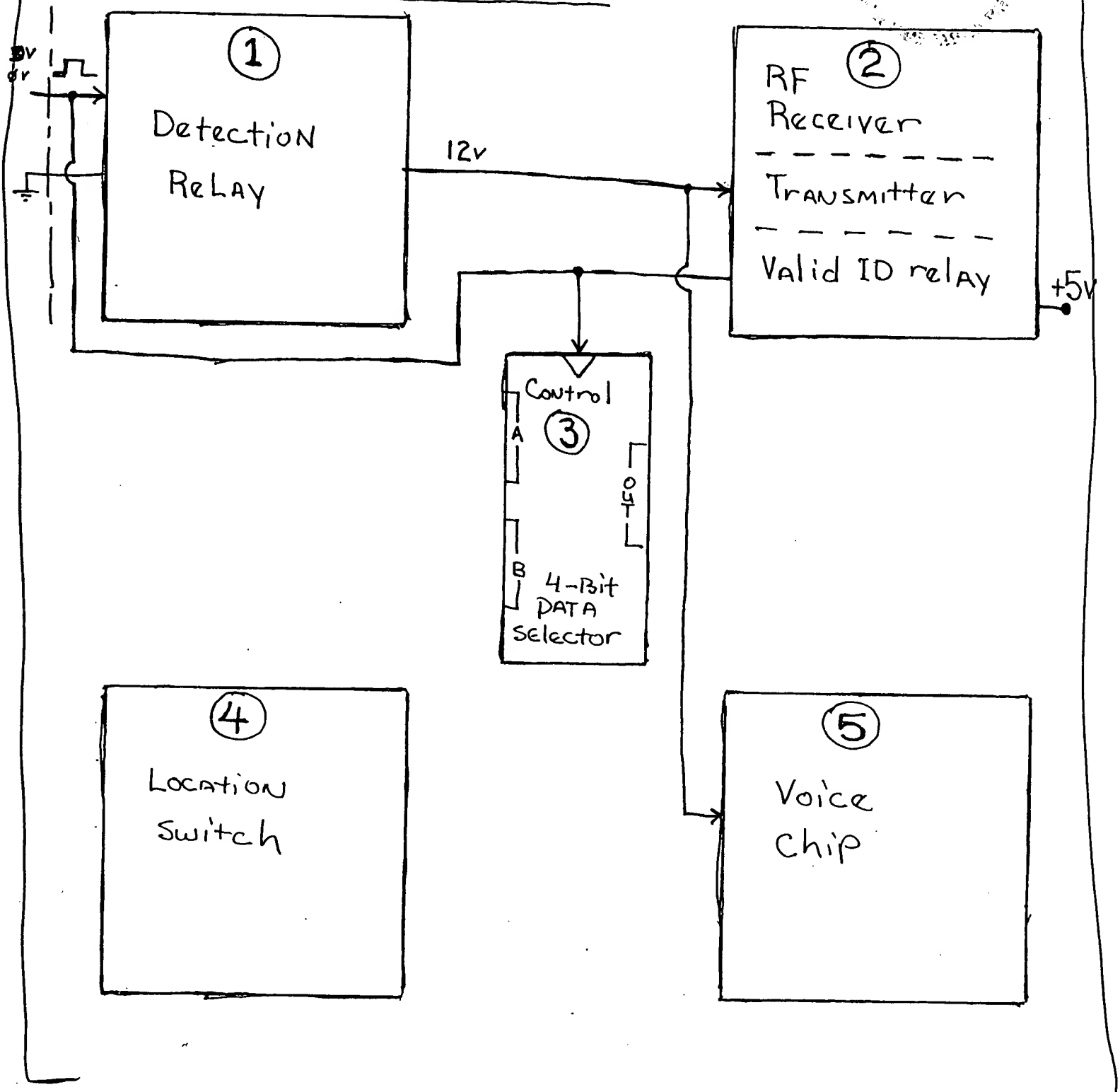
RF Receiver (2) detects a COMMUNICATION Code match, 8-bit address Code.

4-bits DATA latched at DATA Selector (3) Port A.

Vaild ID Relay (2) closes which applies +5 volts to the DATA selector (3) control routing DATA thru Port A to transmitter (2) AND Voice chip (5)

Vaild ID Relay (2) also triggers Detection Relay (1) which powers the transmitter (2) and voice chip (5).

Diagram - 3 : Control lines (L.S.A.R)



Control lines (L.S.A.R)

Two modes of operation, mode 1: Detection. Transitional (Voltage/current) signal From a moinitored device causes the Detection Relay ① to open which applies 12volts to the RF transmitter ② AND the Voice chip ⑤

mode 2: Relay

RF - Receiver ② vailidates a comunication code match, Vaild ID Relay ② opens which applies +5volts to trip the Detection Relay ①, +5 volts is also Applied to the Data Selector ③ control